

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2003/001492

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b>  |  |  |
|---|--|--|
| Int. Cl. <sup>7</sup> : G01N 21/05, 30/74   |  |  |
| According to International Patent Classification (IPC) or to both national classification and IPC   |  |  |
| <b>B. FIELDS SEARCHED</b>   |  |  |
| Minimum documentation searched (classification system followed by classification symbols)   |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched   |  |  |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>DWPI, JAPIO: IPC as above + keywords <i>turbulen+</i> , <i>mix+</i> , <i>uniform</i> and other similar terms  |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |  |  |
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages               | Relevant to claim No.  |
| X   | US 4374620 A (BERICK et al) 22 February 1983<br>See figures                                      | 1,2,4,6,8-13   |
| A   | Patent Abstracts of Japan<br>2001056286 A (SHIMADZU CORP) 27 February 2001<br>See abstract       |  |
| P,X   | Patent Abstracts of Japan<br>2002350333 A (FUJI ELECTRIC CO LTD) 4 December 2002<br>See abstract | 1,2,4,6,8-13   |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex   |  |  |
| <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p> |  |  |
| Date of the actual completion of the international search<br>9 January 2004   |  | Date of mailing of the international search report<br>15 JAN 2004          |
| Name and mailing address of the ISA/AU<br>AUSTRALIAN PATENT OFFICE<br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustalia.gov.au<br>Facsimile No. (02) 6285 3929  |  | Authorized officer<br><br>N. STOJADINOVIC<br>Telephone No : (02) 6283 2124 |

**INTERNATIONAL SEARCH REPORT**

International application No.

**PCT/AU2003/001492**

| <b>C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT</b> |   |                              |
|--|---|------------------------------|
| <b>Category*</b>   | <b>Citation of document, with indication, where appropriate, of the relevant passages</b>                               | <b>Relevant to claim No.</b> |
| X  | Derwent Abstract Accession No. 85-255306/41, Class S03<br>SU 1149144 A (MED LAB TECHN RES) 7 April 1985<br>See abstract | 1,2,4,6,8-13                 |
| X  | US 6122049 A (SUGIYAMA et al) 19 September 2000<br>See abstract   | 1,2,4,6,8-13                 |

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report |            | Patent Family Member |          |
|---|------------|----------------------|----------|
| US  | 4374620    | EP                   | 0070314  |
|   |            | WO                   | 8202596  |
| JP  | 2001056286 |                      |          |
| JP  | 2002350333 |                      |          |
| US  | 6122049    | JP                   | 11166886 |
| END OF ANNEX                              |            |                      |          |